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Approved for use through 9/30/98. OMB 0651-0032  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

PTO/SB/05 (8-96)

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# NEW UTILITY PATENT APPLICATION TRANSMITTAL

(to be used for new applications only)

Attorney Docket Number

Value

First Named Inventor

Lordahl et al.

Total Pages in this Submission

32

## APPLICATION ELEMENTS

Notice: Checklist items mentioned under Application Elements section construct a new utility patent application. Please refer to MPEP Sections 506, 601, (37CFR 1.77, 1.53, 35 USC 111, 112, 113) for detailed explanation regarding completeness of an original patent application.

## ACCOMPANYING APPLICATION PARTS

1. ☒ Fee Transmittal Form (prescribed filing fee(s))

2. Specification

☒ Title of the Invention

☐ Cross References to Related Applications (if applicable)

☐ Statement Regarding Federally-sponsored Research/Development (if applicable)

☐ Reference to Microfiche Appendix (if applicable)

☒ Background of the Invention

☒ Brief Summary of the Invention

☒ Brief Description of the Drawings (if drawings filed)

☒ Detailed Description

☒ Claim or Claims

☒ Abstract of the Disclosure

3. ☒ Drawing(s) (when necessary as prescribed by 35 USC 113)

4. ☒ Executed Declaration

5. Genetic Sequence Submission (if applicable, all must be included)

☐ Paper Copy

☐ Computer Readable Copy

☐ Statement Verifying Identical Paper and Computer Readable Copy

6. ☒ Assignment Papers

7. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)

8. ☐ Computer Program in Microfiche

9. ☐ English Translation Document (if applicable)

10. ☐ Information Disclosure Statement/VPTO-1449 ☐ Copies of IDS Citations

11. ☐ Petition Checklist and Accompanying Petition

12. ☐ Preliminary Amendment

13. ☐ Proprietary Information

14. ☒ Return Receipt Postcard

15. ☒ Small Entity Statement

16. ☒ Additional Enclosures (please identify below):

Request for Non publication  
Credit Card Payment form  
Cert. of Mfg.

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm  
or  
Individual name

Kayane McManus

Signature

Kayane McManus

Date

11/24/03

## FOR OFFICIAL USE ONLY

Application Number		Class		Independent Claims	
Date of Receipt	Application Type	GAU		Total Claims	
	Filing Date	Foreign Filing License?		Drawing Sheets	
	Small Entity	Foreign Address?		Special Handling?	

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



22154 U.S. PTO  
10722628

112803

15866

U.S. PTO

PTO/SD/17 (12-97)  
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# FEE TRANSMITTAL

Note: Effective October 1, 1997,  
 Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$)  
 425.00

## Complete If Known

Application Number	New application
Filing Date	new application
First Named Inventor	Lordahl et al.
Group Ad Unit	unknown
Examiner Name	unknown
Attorney Docket Number	Value

## METHOD OF PAYMENT (check one)

1. ☐ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit  
 Account  
 Number  
 Deposit  
 Account  
 Name

- ☐ Charge Any Additional  
 Fee Required Under  
 37 CFR 1.16 and 1.17
- ☐ Charge the Issue Fee Set in  
 37 CFR 1.18 at the Mailing of the  
 Notice of Allowance

2. ☒ Payment Enclosed:

☐ Check ☐ Money  
 Order ☒ Other

## FEE CALCULATION

### 1. FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
101 790	201 395	Utility filing fee	385.00
106 330	206 165	Design filing fee	
107 540	207 270	Plant filing fee	
108 790	208 395	Reissue filing fee	
114 150	214 75	Provisional filing fee	

SUBTOTAL (1) (\$)  
 385.00

### 2. CLAIMS

Total Claims	Extra	Fee from below	Fee Paid
Independent Claims	-20 =	X	
Multiple Dependent Claims	-3 =	X	

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
103 22	203 11	Claims in excess of 20	
102 82	202 41	Independent claims in excess of 3	
104 270	204 135	Multiple dependent claim	
109 82	209 41	Reissue independent claims over original patent	
110 22	210 11	Reissue claims in excess of 20 and over original patent	

SUBTOTAL (2) (\$)  
 0

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
105 130	205 65	Surcharge - late filing fee or oath	
127 50	227 25	Surcharge - late provisional filing fee or cover sheet	
139 130	139 130	Non-English specification	
147 2,520	147 2,520	For filing a request for reexamination	
112 920*	112 920*	Requesting publication of SIR prior to Examiner action	
113 1,840*	113 1,840*	Requesting publication of SIR after Examiner action	
115 110	215 55	Extension for reply within first month	
116 400	216 200	Extension for reply within second month	
117 950	217 475	Extension for reply within third month	
118 1,510	218 755	Extension for reply within fourth month	
128 2,060	228 1,030	Extension for reply within fifth month	
119 310	219 155	Notice of Appeal	
120 310	220 155	Filing a brief in support of an appeal	
121 270	221 135	Request for oral hearing	
138 1,510	138 1,510	Petition to institute a public use proceeding	
140 110	240 55	Petition to revive - unavoidable	
141 1,320	241 660	Petition to revive - unintentional	
142 1,320	242 660	Utility issue fee (or reissue)	
143 450	243 225	Design issue fee	
144 670	244 335	Plant issue fee	
122 130	122 130	Petitions to the Commissioner	
123 50	123 50	Petitions related to provisional applications	
126 240	126 240	Submission of Information Disclosure Stmt	
581 40	581 40	Recording each patent assignment per property (lines number of properties)	40.00
146 790	246 395	Filing a submission after final rejection (37 CFR 1.129(a))	
149 790	249 395	For each additional invention to be examined (37 CFR 1.129(b))	

Other fee (specify) \_\_\_\_\_

Other fee (specify) \_\_\_\_\_

\* Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)  
 40.00

## SUBMITTED BY

Typed or  
 Printed Name  
 Kayane McManus

Signature  
 Kayane McManus

Date  
 1/24/03

## Complete (if applicable)

Reg. Number  
 31,142

Deposit Account  
 User ID

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<b>NONPUBLICATION REQUEST UNDER 35 U.S.C. 122(b)(2)(B)(i)</b>	First Named Inventor	Lordahl et al.
	Title	Pressure Balancing Cartridge for Mixing Valve
	Atty Docket Number	Valve

I hereby certify that the invention disclosed in the attached application has not and will not be the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing.

I hereby request that the attached application not be published under 35 U.S.C. 122(b).

11/24/03  
Date

Kajane McManus  
Signature

Kajane McManus  
Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application upon filing.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant must notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).

**Burden Hour Statement:** This collection of information is required by 37 CFR 1.213(a). The information is used by the public to request that an application not be published under 35 U.S.C. 122(b) (and the PTO to process that request). Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This form is estimated to take 6 minutes to complete. This time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: Lordahl et al.

Serial No: 0 / new application Group No: unknown

Filed: new application Examiner: unknown

For: Pressure Balancing Cartridge for Mixing Valve

Commissioner of Patents and Trademarks

Washington, D.C. 20231

**CERTIFICATE OF MAILING UNDER 37 CFR 1.8(a)**

I hereby certify that the *attached* correspondence comprising:

New Utility Application Transmittal  
with all listed attachments

is being deposited with the United States Postal Service as first class mail in an envelope addressed to:

*Commissioner of Patents and Trademarks*

*Washington, D.C. 20231*

on 11-25-03

Maria McKeynolds  
(Type or print name of person mailing paper)

Maria McKeynolds  
(Signature of person mailing paper)